Technology Bucket	Category	Description
Renewable / Sustainable Energy	Hardware	We must find alternatives to plastic film for liquid milk packaging in India to reduce the environmental threat. Options like bioplastics, biodegradable plastics, and organic fibers should be explored. The alternatives must be easy to use, ensure food safety, be affordable, and enhance the shelf life of milk.
Renewable / Sustainable Energy	Software	Innovative ideas that help manage and generate renewable /sustainable sources more efficiently.
Renewable / Sustainable Energy	Hardware	Innovative ideas that help manage and generate renewable /sustainable sources more efficiently.

Renewable / Sustainable Energy	Hardware	Challenges in erecting small-scale wind turbines due to urban landscape and physical limitations. Large-scale turbines perform better. Other challenges include controlled energy sector, lack of awareness and technology, high transaction costs, poor market infrastructure, and investment requirements. Wind power is a clean, renewable, and cost-free eco-friendly energy alternative to fossil fuels.
Renewable / Sustainable Energy	Hardware	Jal Jeevan Mission aims to provide clean drinking water to every rural household. A cost-effective technology is needed to monitor groundwater recharge and source sustainability. The technology should focus on monitoring data for alerts, rainwater harvesting, improving source sustainability, reusing grey water, measuring aquifer capacity and water demand, and citing correct locations for recharge and discharge of groundwater. The quality of water should also be considered.
Renewable / Sustainable Energy	Software	Systems for AI-based Generative Design of Hydro Power plants including Civil structures, hydro-mechanical and Electro-mechanical equipment, etc.